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24114 7590 07/14/2005

LYONDELL CHEMICAL COMPANY
 3801 WEST CHESTER PIKE
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Linda J. Marchione	(Depositor's name)
<i>Linda J. Marchione</i>	(Signature)
September 23, 2005	(Date)

09/27/2005 SSITHIB2 00000039 012230 10616839

01 FC:1501 1400.00 DA
 02 FC:1504 300.00 DA
 03 FC:8001 15.00 DA

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/616,839	07/10/2003	Donald H. Powers	88-2039A	2677

TITLE OF INVENTION: OLEFIN PRODUCTION UTILIZING WHOLE CRUDE OIL AND MILD CONTROLLED CAVITATION ASSISTED CRACKING

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	10/14/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
DANG, THUAN D	1764	585-648000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Roderick W. MacDonald

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3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

EQUISTAR CHEMICALS, LP

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

HOUSTON, TEXAS

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ (Limited Partnership) Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
☒ Publication Fee (No small entity discount permitted)
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☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 01-2230 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

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Authorized Signature

Date September 23, 2005

Typed or printed name Dennis M. Kozak

Registration No. 28,318

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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